



Practitioner's Docket No. McCracken 347-50B

PATENT

**COMBINED DECLARATION AND POWER OF ATTORNEY****(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)**

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for an original application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

Mixing Arrangement for Atomizing Nozzle in Multi-Phase Flow

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, Section 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(35 U.S.C. Section 119(e))**

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

(Declaration and Power of Attorney--page 1 of 4)

**PROVISIONAL APPLICATION NUMBER**

**FILING DATE**

60/456,522 March 24, 2003

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

<u>APPOINTED PRACTITIONER(S)</u>	<u>REGISTRATION NUMBER(S)</u>
George M. Cooper	20201
Douglas R. Hanscom	26600
William A. Blake	30548
Jennifer P. Yancy	47003
Alexander D. Raring	52502

**AUTHORIZATION OF ATTORNEY(S) TO ACCEPT AND  
FOLLOW INSTRUCTIONS FROM REPRESENTATIVE**

The undersigned to this declaration and power of practitioner hereby authorizes the U.S. practitioner(s) named herein to accept and follow instructions from:

H. Wayne Rock  
MACRAE & CO.  
P.O. Box 806, Station "B"  
Ottawa, Ontario, Canada K1P 5T4

as to any actions to be taken in the Patent and Trademark office regarding this application without direct communication between the U.S. practitioner(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. practitioner(s) will be so notified by the undersigned.

**SEND CORRESPONDENCE TO**

Alexander D. Raring  
P.O. Box 2266 Eads Station  
Arlington, VA 22202

**DIRECT TELEPHONE CALLS TO:**

Alexander D. Raring  
703-415-1500


**DECLARATION**


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


**INFORMATION RESPECTING DECEASED INVENTOR**

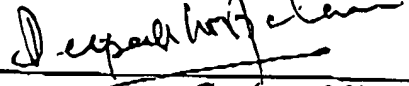
**Name:** Terrence E. Base  
**Citizenship:** CA  
**Residence:** London ON Canada  
**Last Post Office Address:** 104 Springfield Crescent, London, ON N6K 2T6, Canada

**SIGNATURE(S)**

Thomas William McCracken  
**Inventor's signature**   
**Date** 4 - Aug 2004 **Country of Citizenship:** Canada  
**Residence** Gloucester, Ontario, Canada  
**Post Office Address** 8 Lotus Court, Gloucester, Ontario K1J 8A7 Canada

Adam J. Bennett  
**Inventor's signature**   
**Date** 21 July 2004 **Country of Citizenship:** Canada  
**Residence** Ottawa, Ontario, Canada  
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Kevin A. Jonasson  
**Inventor's signature**   
**Date** 29 July 2004 **Country of Citizenship:** Canada  
**Residence** Orleans, Ontario, Canada  
**Post Office Address** 1838 Summerlands Cr., Orleans, Ontario K1E 2Y2 Canada

Deepak Kirpalani  
**Inventor's signature**   
**Date** July 29 2004 **Country of Citizenship:** Canada  
**Residence** Kanata, Ontario, Canada  
**Post Office Address** 47 Aird Place, Kanata, Ontario K2L 4C9 Canada

Zahra Tafreshi

Inventor's signature Z. Tafreshi

Date Aug 5, 2004

Country of Citizenship: Canada

Residence Ottawa, Ontario, Canada

Post Office Address 2399 Ogilvie Road, Ottawa, Ontario K1J 7N4 Canada

.....[Executor of the estate of Terrence E. Base (Deceased)]

Executor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Canada

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Post Office Address \_\_\_\_\_

Douglas A. Emberley

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Canada

Residence Ft. McMurray, Alberta, Canada

Post Office Address 122 Cruikshank Road, Ft. McMurray, AB T9K 1L3 Canada

R. Douglas Kennett

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Canada

Residence Ft. McMurray, Alberta, Canada

Post Office Address 105 Ball Place, Ft. McMurray, AB T9K 2E2 Canada

Daniel J. Bulbuc

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Canada

Residence Ft. McMurray, Alberta, Canada

Post Office Address 198 McLaren Cr., Ft. McMurray, AB T9K 1J8 Canada

Edward W. Chan

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Canada

Residence Edmonton, Alberta, Canada

Post Office Address 1582 Hector Road, Edmonton, AB T6R 2Z4 Canada

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### INFORMATION RESPECTING DECEASED INVENTOR

Name: Terrence E. Best  
Citizenship: CA  
Residence: London ON Canada  
Last Post Office Address: 104 Springfield Crescent, London, ON N6K 2T6, Canada

### SIGNATURE(S)

Thomas William McCracken

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship: Canada

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Deepak Kirpalani

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship: India

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Zahra Tafreshi

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship: Iran

Residence Ottawa, Ontario, Canada

Post Office Address 2399 Ogilvie Road, Ottawa, Ontario K1J 7N4 Canada

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Executor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship: Canada

Residence London, Ontario, Canada

Post Office Address \_\_\_\_\_

Douglas A. Emberley

Inventor's signature DA Emberley

Date June 28, 2004 Country of Citizenship: Canada

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R. Douglas Kennett

Inventor's signature R. Douglas Kennett

Date June 28, 2004 Country of Citizenship: Canada

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Daniel J. Bulbuc

Inventor's signature Daniel Bulbuc

Date June 28, 2004 Country of Citizenship: Canada

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Edward W. Chan

Inventor's signature Edward W. Chan

Date July 5, 2004 Country of Citizenship: Canada

Residence Edmonton, Alberta, Canada

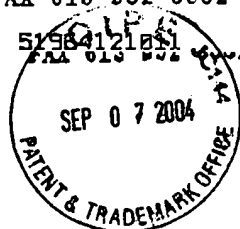
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PAGE 01



Practitioner's Docket No. McCracken 347-508

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PAGE 02

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PAGE 01

Zahra Tafreshi

Inventor's signature \_\_\_\_\_

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Country of Citizenship: Iran

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Irene Base [Executor of the estate of Terrence B. Base (Deceased)]

Executor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Canada

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Post Office Address 104 SPRINGFIELD CR., LONDON ONT. N6K 2T6.

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